## IRRIGATION WATER MANAGEMENT WATER QUANTITY WORKSHEET

<u>For Use with Irrigated Cropland, Hayland and Pastureland</u>
As appropriate, this worksheet will be followed to determine eligibility for Regular EQIP program or EQIP G&SW program participation.

# **REQUIRED DOCUMENTATION**

Operator: Fields being treat Current Crop: Acres Treated: Plat Current Irrigation Field Method: Plat Current Conveyance Method: Plat Conveyance Material (lining type or soil) or Pip Existing ditch shape: or Pir	ated with practices:	
Current Crop: Acres Treated:		
Current Irrigation Field Method: Pla	nned Method:	
Current Conveyance Method: Pla	inned Method:	
Conveyance Material (lining type or soil) or Pip	be Material:	
Existing after shape of 1 i	be Diameter:	
Age of current pipe:		
# of leaks observed and/or repaired throughout the season last	year	
(This should be a realistic number from the applicant)		C
Flow rate of ditch or pipeline: or Water r	ignt amount	Growing Season
ET of crop Current System is metered: Yes or No (circle) Planned Sys	etem will be metered: Yes or No (circle	)
Use of FIRS and seepage templates		
Use the FIRS Program and definitions to complete this work slatemplates will be used to calculate ALL conveyance efficient substituted into the before and after boxes in question 9 of the supporting documentation.	cies. The seepage template before and a	fter values will be
<b>Note:</b> a. Quality criteria for Irrigation Water Management Irrigation Guide.	is 75% of the design efficiency found in	the Nevada
b. In the pipe to pipe template, a note will be display	yed if the current pipe has not exceeded	it service life. This
does not prevent the calculations from taking place. It serves a		
share program paid for the pipe under a past contract. If so, the		
service life has been exceeded. This also applies to other prac	tices installed with NRCS cost share ass	sistance in the past.
Please note that the seepage calculation in the pipe to pipe of An assumption has been made in the template that pipe is I made through out the season of use.  Check the Practices being installed in contract:	leaking for the entire season and repai	irs are not being
Irrigation Water		
☐ Land Leveling ☐ Land smoothing ☐ Irrigation Fid☐ Irrigation Canal or Lateral (group only) ☐ Structure Irrigation Water Conveyance: ☐ Pipeline ☐ Ditcl Irrigation System: ☐ Sprinkler ☐ Micro☐ Sprinkler Retrofit Only	eld Ditch (reorganization only) es for Water Control h/Lining  Subsurface(barrier)  Tailwater Recovery	
☐ Dam, Diversion ☐ Irrigation Storage Reservoir	☐ Subsurface drain ☐ Subsurf	face Drainage
☐ Irrigation Regulating Reservoir ☐ Pumping Plant	□ Water Well (Irrigati	ion)
CALCULATED OUTPUTS (from FIRS template):	Before	After
System Efficiency	Defore	11101
NRCS Quality Criteria *		
Gross Irrig. Required (In)		
Total Acre feet required		

PERCENT INCREASE IN IRRIGATION SYSTEM EFFICIENCY

(Input value into appropriate land use template for Regular EQIP funding)

## **Ground and Surface Water Program**

The intent of this program is to improve irrigation water net savings to an operation. Net savings is defined as: "water saved per irrigation to meet evapo-transpiration (ET) where limited surface or ground water supplies exist due to drought conditions or where surface or ground water systems do not meet full season evapo-transpiration (ET) needs of the crops grown.

To participate in this program and to receive points to compete for these funds the following conditions must be met:

Threshold value will be a 20 pt. value increase between irrigation method value (question 1 FIRS) and/or conveyance efficiency value (question 9 FIRS).

The following are examples:

- a. A minimum10 pt. increase in irrigation method value (question 1 FIRS) and 10 pt. change in conveyance efficiency value (question 9 FIRS), or
- b. A minimum 20 pt. increase in conveyance efficiency value (question 9 FIRS)

In addition, the participant is required to develop an irrigation water management plan must be developed and the irrigation system must currently be metered or will be metered as part of the EQIP contract.

Check the following, if they apply:
Current surface water has been impacted by recurring drought conditions.
Current groundwater supply has been impacted by recurring drought conditions
Current surface system does not meet full season evapo-transpiration

Those individuals who do not develop an IWM plan or install a water meter will have their applications considered for regular EQIP funds only. Applications selected for EQIP Ground and Surface Water funds will be selected from each local work group ranking list utilizing the EQIP G&SW ranking column on the ranking list. Those applications not funded with G&SW funds will be considered for regular EQIP supplemental funds allocated for G&SW purposes first before being eligible for regular EQIP funs in order of original ranking priority.

### Complete the following information for G&SW Ranking

Choose the priority that best fits the system with practices installed and Meter Condition with contract application

IWM Plan Incentive	Current System Adequate at Quality Criteria	Needed/not plan			Present Water Delivery Measured	Planned Water Measurement w/ contract	Priority	Point
X		X			X		Low	2
X		X				X	Low	4
X	X				X		Medium	6
X	X					X	Medium	8
X			X		X		High	10
X			X			X	High	12
Sprinkler I	Sprinkler Retrofit Micro Retrofit						Points	
Nozzles onl	ly No:	zzles & pumps	Nozzles, pump,	bowls	Emitters & Nozz	les		
5 pts	7 p	ts	9 pts		3 pts			
On-Farm S	On-Farm Storage to meet ET or drought mitigation							Points
Non-existent/will be installed in contract				Expand Ex	Expand Existing Storage with contract			
10 pts				5 pts				
PERCENT INCREASE IN IRRIGATION SYSTEM EFFICIENCY from FIRS (previous page)								

TOTAL SCORE FOR G&SW	
(Place score on ranking cover sheet)	